



# Radiochemistry Webinars

## Actinide Chemistry Series

NAMP invites you to attend web-based lectures on specific radiochemistry topics developed in cooperation with the EPA and university partners. The Actinide Chemistry Series offers the participant a comprehensive overview on the different topics of interest and concern, and provides understanding of the advances and challenges that actinide chemistry faces today. The selected topics are designed to strengthen the participant in areas of professional engineering practice identified by the nuclear industry or national laboratories, including but not limited to actinide chemistry in the environment and in the nuclear fuel cycle. The series presents short (1 ½- to 2-hour) webinars on specific radiochemistry topics presented by renowned university professors and leading scientists in radiochemistry.

**REGISTER NOW** to attend the next webinar presented in this series:

### **Transplutonium elements: Ultramicrochemistry and atom-at-a-time chemistry**

**Who Should Attend:**

Laboratory technicians  
Regulators

Chemists  
Managers

Geochemists

**Webcast:** Thursday, March 28, 2013, at 1:00 pm Eastern Time, 12:00 pm Central Time

**Lecture Overview:** This webinar will present an overview of transplutonium actinides with an emphasis on the production, fundamental chemistry, and properties of the heavy actinide elements. The presentation will describe ultramicroscale chemistry and synthesis of trans-Pu compounds and will include new developments in gas-phase actinide ion chemistry.

**Register free to attend at:** [https://foodshield.connectsolutions.com/trans-pu/event/event\\_info.html](https://foodshield.connectsolutions.com/trans-pu/event/event_info.html)

For more information, please visit the NAMP website at <http://www.inl.gov/namp> or contact: Berta Oates at [boates@portageinc.com](mailto:boates@portageinc.com)

## Meet the Presenter...

*Dr. Lester R. Morss*

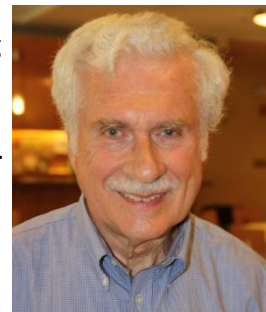


Lester R. Morss began his scientific career in inorganic chemistry and radiochemistry by carrying out research on the actinide elements uranium through californium under Professor Burris B.

Cunningham, earning a PhD at University of California, Berkeley in 1969.

After postdoctoral research on f element thermochemistry with James W. Cobble at Purdue University, he reached the rank of full professor of chemistry at Rutgers University, New Brunswick, NJ, doing research in synthetic inorganic chemistry and thermochemistry of transition elements. He joined the Chemistry Division of Argonne National

Laboratory in 1980, where his primary research focus was the solid-state chemistry and thermochemistry of the transuranium elements. After reaching the rank of senior chemist at Argonne, he was elected a fellow of American Association for the Advancement of Science and spent six months as an Alexander von Humboldt senior research scientist at the University of Hannover, Germany in 1992. He retired from Argonne in 2002 and then served until 2010 as program manager for Heavy Element Chemistry in the Office of Basic Energy Sciences of US Department of Energy. He resides in Columbia, Maryland, where he is now an adjunct



professor of chemistry at University of Maryland, College Park and a Visiting Scholar at George Washington University (where he teaches a special topics course each spring) and at the University of Notre Dame.

### Upcoming NAMP Radiochemistry Webinars

- Radium Chemistry (April 25, 2013)
- Environmental/Bioassay Radiochemistry Series (May 2013)

National Analytical Management Program (NAMP)  
U.S. Department of Energy Carlsbad Field Office

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